

Substitute Specification

CLAIMS

I claim:

1. (Currently amended) Destemming method applicable to harvesting machines , taking place in succession, when feeding rough harvest between a sloping end of harvest conveyors and harvest collection bowls on said harvesting machines, said method comprising:

extracting of juice and grapes detached from stems by a crop package; and

picking-off of grape bunches not already destemmed that form a remaining part of said rough harvest.

2. (Currently amended) Destemming device installed on a harvesting machine between a sloping end of harvest conveyors and harvest collection bowls on said harvesting machine, said destemming device comprising:

an extractor system being located upstream, in a direction of supply of said rough harvest and extracting juice and grapes detached from stems with a crop package; and

a stemmer being located downstream and being provided with an inlet in communication with a sloping end of said extractor system, said stemmer enabling hacking of bunches forming a remaining part of a harvest and rejection of stems and plant and other undesirable waste.

3. (Currently amended) Method according to claim 1, wherein said step of extracting juice and grapes detached by the crop package is comprised of using a conveyor screen.

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4. (Currently amended) Method according to Claim 1, wherein said step of picking-off of grape bunches is comprised of using a stemmer with a latticed rotating drum containing a rotary stripping scraper.

5. (Currently amended) Method according to Claim 4, wherein said stemmer is placed perpendicular to an extractor or sorter of a destemming system.

6. (Currently amended) Method according to Claim 5, wherein said extractor and said stemmer are placed one after another in a horizontal or generally horizontal position.

7. (Currently amended) Device according to claim 2, wherein said extractor system is comprised of a conveyor screen formed of an endless belt provided with a mesh and holes sized so as let through only the juice and grapes already detached by the crop package.

8. (Currently amended) Device according to Claim 2, wherein said stemmer has a latticed rotating drum and a rotary stripping scraper housed inside said latticed rotating drum.

9. (Currently amended) Device according to claim 8, wherein said latticed drum and the stripping scraper turn in a reverse direction.

10. (Currently amended) Device according to Claim 2, wherein said extractor system is installed parallel to direction of supply of the machine on which said extractor system is installed, said stemmer being mounted at an angle from said extractor system.

11. (Currently amended) Device according to Claim 2, wherein said stemmer is placed perpendicular to said extractor system.

12. (Currently amended) Device according to Claim 10, further comprising:

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a transporting means for the harvest from an outlet of said extractor system to an inlet of said stemmer.

13. (Currently amended) Device according to claim 12, wherein said transporting means is comprised of a header auger.

14. (Currently amended) Device according to Claim 2, wherein said extractor system and said stemmer are placed one after another in a horizontal or generally horizontal position.

15. (Currently amended) Device according to Claim 2, further comprising:
a suction means, being comprised of an aspirator arranged above said extractor system.

16. (Currently amended) Harvesting machine comprising:
at least one, and preferably two destemming devices according to Claim 2, installed between a sloping end of harvesting conveyors and harvest collection bowls.

17. (Currently amended) Harvesting machine according to claim 16, wherein said extractor system is integral with a frame thereof, said stemmer and an aspirator being mounted on a casing of harvest collection tipping bowls.